### (19) World Intellectual Property Organization

International Bureau



### 

(43) International Publication Date 18 November 2004 (18.11.2004)

**PCT** 

# (10) International Publication Number WO 2004/100335 A1

(51) International Patent Classification7: H02H 3/12, 5/12

(21) International Application Number:

PCT/EP2004/004895

(22) International Filing Date: 6 May 2004 (06.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: BG2003A000032 9 May 2003 (09.05.2003) 17

(71) Applicant and

(72) Inventor: IAQUINANGELO, Armando [IT/IT]; Via Brughiera, 15, I-20010 Cornaredo (MI) (IT).

(74) Agents: GIAVARINI, Francesco, et al.; Zanoli & Giavarini Srl, Viale Bianca Maria, 35, I-20122 Milano (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Declaration under Rule 4.17:

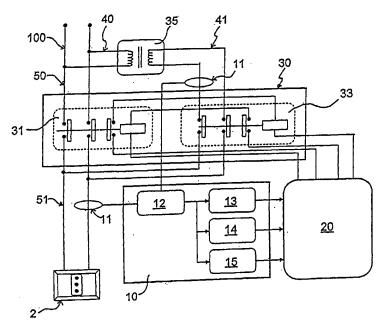
of inventorship (Rule 4.17(iv)) for US only

#### Published:

with international search report

[Continued on next page]

#### (54) Title: A DEVICE FOR THE MANAGEMENT OF ELECTRICAL SOCKETS



(57) Abstract: Described herein is a device for the management of electrical socket connected to a branch of an a.c. electrical network for domestic or industrial use, capable of monitoring the presence/absence of a connected load, as well as possible conditions of overload and short circuit thereof; the device advantageously enables variation of the level of the a.c. voltage to the socket according to said conditions of applied load

## WO 2004/100335 A1



 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.